

PATENT APPLICATION Docket No.: . 301505.3005-100

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Peter So, Bevin Engelward, Timothy Ragan, Karstan Bahlmann,

Ki Hean Kim, Lily Hsu and Hayden Huang

Application No.:

10/642,447

Filed Date:

August 15, 2003

Confirmation No.

1584

Group:

1631 Examiner:

Not Assigned

For:

Systems and Methods for Volumetric Tissue Scanning Microscopy

CERTIFICATE OF MAILING I Hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on May 3, 2004 Date Signature Signature						
Sharon R. Lloyd Typed or printed name of person signing certificate						

<u>INFORMATION DISCLOSURE STATEMENT</u>

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:						
[]	formation Disclosure Statement is submitted: under 37 CFR 1.129(a), or (First/Second submission after Final Rejection)					
	under 37 CFR 1.97(b), or Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the ational stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional pplication, including a CPA, or a Request for Continued Examination).					
[]	under 37 CFR 1.97(c) together with either: [] a Statement under 37 CFR 1.97(e), as checked below, or					
	[] a \$180.00 fee under 37 CFR 1.17(p), or (More than 3 months after receipt of the International Search Report, but before final action or notice of allowance, whichever occurs first)					
	under 37 CFR 1.97(d) together with: [] a Statement under 37 CFR 1.97(e), as checked below, and					
	[] a \$180.00 fee under 37 CFR 1.17(p), or (Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)					
	under 37 CFR 1.97(i): Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper. (Filed after payment of issue fee)					
D & D A4/20	002					

Sta	nent Under 37 CFR 1.97(e)						
[]	Each item of information contained in this Information in this Information from a foreign patent application not more than three months prior to the Statement; or	t office in a counterpart foreign					
[]	No item of information contained in this Information communication from a foreign patent office in a the knowledge of the undersigned, after making a information contained in the information discloss individual designated in 37 CFR 1.56(c) more that Information Disclosure Statement.	counterpart foreign application, and, to reasonable inquiry, no item of are statement was known to any					
<u>Sta</u>	nent Under 37 CFR 1.704(d) (Patent Term Adju Applies to original applications (other than desig						
[]	Each item of information contained in the Information Disclosure Statement was cited a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.						
Enc [X]	sed herewith is form PTO-1449: Copies of the cited references are enclosed.						
[]	In accordance with 37 C.F.R. § 1.98 (d), copies of enclosed*) are not enclosed as these references we Application No. [], to which the present ap 120. The earlier application contains copies of the	vere entered in earlier application, U.S. plication claims priority under 35 U.S.C					
[]	If copies of references [*list references not enclo case, the Examiner is invited to call the undersign forwarded immediately.						
[]	Listed references [] were cited in the enclose counterpart foreign application.	d International Search Report in a					
Cor	se Explanation Requirement (non-English reference	ees):					
[]	The "concise explanation" requirement (non-Engunder 37 CFR 1.98(a)(3) is satisfied by: [] the explanation provided on the attached the explanation provided in the Specificate submission of the enclosed International State of the enclosed English language abstract.	sheet. ion.					

Application No. 10/642,447 Applicant requests that the following pending applications be considered: Initials U.S. Patent Application No. [], Publication No. [], Publication Date [by [inventor(s)], filed [], Docket No.: [U.S. Patent Application No. [], Publication No. [], Publication Date [by [inventor(s)], filed [], Docket No.: [U.S. Patent Application No. [], Publication No. [], Publication Date [by [inventor(s)], filed [], Docket No.: [Examiner Date [] A copy of each above-cited application, including the current claims, is enclosed. [] A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [), to which priority under 35 U.S.C. 120 is claimed. The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication. It is requested that the information disclosed herein be made of record in this application. Method of payment: A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed. Please charge Deposit Account No. 50-1935 in the amount of \$[]. A copy of this Statement is enclosed. [X] Please charge any deficiency in fees and credit any overpayment to Deposit Account No. 50-1935. Respectfully submitted,

BOWDITCH & DEWEY, LLP

By Mourica

Monica Grewal

Date: May3rd, 2004 Registration No. 40,056

Direct tel.: (508) 416-2474 Telephone: (508) 879-5700 Facsimile: (508) 929-3073

Bowditch & Dewey, LLP 161 Worcester Road P.O. Box 9320 Framingham, Massachusetts 01701-9320

EXAMIN	IER	1,,,,		DATE CONSIDERED				
	АТ	Kim, K. H., et al., "Three-Dimensional Image Cytometer Based on a High-Speed Two-Photon Scanning Microscope," Proc. SPIE Vol. 4262, p. 238-246, Multiphoton Microscopy in the Biomedical Sciences, Ammasi Periasamy; Peter T. So; Eds., 4/2001						
	AS			tion Based on Hard Tissue Mic grams in Biomedicine, 63:77-8		s-Section F	rictures in	n
Diaspro, Alberto, et al., "Adapting a Compact Confocal Microscope System to a Two-Photon Excitation Fluorescence Imaging Architecture," Microscopy Research and Technique, 47:196-205 (1999).								
			OTHER DOCUMENTS (I	ncluding Author, Title, Date, Pertinent Pages, Et	tc.)	•	·	
	AQ	WO 01/14853	1 Mar 2001	PCT				
	AP	JP 2000-155097	6 Jun 2000	Japan				X
	AO	DE 198 19 144	15 Jun 2000	Germany		1		X
	AN	DE 196 32 637	19 Feb 1998	Germany		1		X
-	AM	WO 98/02851	22 Jan 1998	PCT		 		
	AL	0 209 369	21 Jan 1987	EPO		1		
	DOCUMENT NUMBER DATE			COUNTRY	CLASS	SUB- CLASS	TRANSL YES	ATIO
			FORE	IGN PATENT DOCUMENTS				
	AK							
	AJ							
	ΑI		<u> </u>					
	АН	6,423,960	23 Jul 2002	Engelhardt, et al.	250	214 R		
	AG	6,366,357	2 Apr 2002	Svetkoff, et al.	356	602		
	AF	2001/0052257	20 Dec 2001	Magerle	73	105		
	AE	5,804,813	8 Sep 1998.	Wang, et al.	250	201.3		
	AD	5,523,543	4 Jun 1996	Hunter, Jr., et al.	219	121.62		
	AC	5,283,433	1 Feb 1994	Tsien	250	234		
	AB	5,139,338	18 Aug 1992	Pomerantz, et al.	356	376		
L	AA	4,960,330	2 Oct 1990	NAME Kerschmann	CLASS 356	SUB- CLASS	FILING D APPROP	
AM ER								
			TRADENAS!	S. PATENT DOCUMENTS				
			August 15, 2003	1631				
	(Use several sheets if necessary) MAY 0 5 2004			FILING DATE	E GROUP ART UNIT			
		May 3, 2004	0	APPLICANT So, et al.				
INFORMATION DISCLOSURE CITATION IN AN APPLICATION				301505.3005-100	10/642,4	47		
D-144	9 REPROI	DUCED		ATTORNEY DOCKET NO.		TION NO.		

PTO-1449 REPRODUCED			ATTORNEY DOCKET NO.	APPLICATION NO.					
INFORMATION DISCLOSURE CITATION			301505.3005-100	10/642,44	7				
IN AN APPLICATION May 3, 2004			APPLICANT						
			So, et al.						
		(Use several sheets if necessary)		FILING DATE	GROUP ART UNIT				
				August 15, 2003	1631	1631			
	U.S. PATENT DOCUMENTS								
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DA		
				,					
			FOREI	GN PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO		
				,		;			
							_		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
	Kim, Ki Hean, et al., "High-Speed, Two-Photon Scanning Microscope," Applied Optics, 38(2): 6004-6009 (1999, October 1).								
	AV	Periasamy, Ammasi, et al., "An Evaluation of Two-Photon Excitation Versus Confocal and Digital Deconvolution Fluorescence Microscopy Imaging in Xenopus Morphogenesis," Microscopy Research and Technique, 47:172-181 (1999).							
	AW	Rademann, Jörg, et al., "Spatially Resolved Single Bead Analysis: Homogeneity, Diffusion, and Adsorption in Cross-Linked Polystyrene," Chem Eur. J., 7(18):3884-3889 (2001).							
	AX	Shelden, E., and Knecht, D.A., "Reconstruction and Display of Curvilenear Objects From Optical Section Data Using 3-D Curve Fitting Algorithms," Journal of Microscopy, 191(1):97-107 (July 1998).							
	AY	So, Peter T.C., et al., "Two-Photon Exitation Fluorescence Microscopy," Annu. Rev. Biomed. Eng., 02:399-429 (2000).							
	AZ								
EXAMINER DATE CONSIDERED									